

100350

SECTION 4

ANALYTICAL PROGRAM

The SCD laboratory will be performing all analytical work with the exception of fish analysis, Target Compound List (TCL)/Target Analyte List (TAL) analyses, and physical analyses, which will be performed by WESTON's Analytics Division or by a subcontractor laboratory. In addition, WESTON or a subcontractor laboratory will be performing a minimum of 5 percent confirmation analysis of the SCD sample analysis. The SCD laboratory will analyze samples for benzene and its chlorinated derivatives. This section of the QAPP addresses the analytical work to be performed by WESTON or a subcontractor. Appendix C contains the SCD QAPP, which addresses the analytical work to be done by SCD.

In the event that the WESTON laboratory is not chosen by SCD to perform the confirmation analyses, the chosen laboratory will conform to the QA/QC and analytical programs herein.

WESTON's Analytics Division, located in Lionville, Pennsylvania, presently holds a U.S. EPA Contract Laboratory Program (CLP) contract for organic and inorganic analyses. Analyses performed by the Analytics Division will subscribe to the CLP contract of July 1987, as revised in December 1987, for organics and inorganics (except when noted) and will meet the criteria of the Data Quality Objectives. Biota (fish) methodology are not currently included in the U.S. EPA CLP. Quality assurance and documentation procedures in accordance with CLP guidelines will be performed, with the exception of the SCD Laboratory.

The 5 percent confirmation analysis for each medium entails the analysis of benzene, its chlorinated derivatives, and select TCL/TAL analysis. Chlorinated derivatives of benzene include the following:

- Chlorobenzene.
- 1,2-dichlorobenzene.
- 1,3-dichlorobenzene.
- 1,4-dichlorobenzene.
- 1,2,4-trichlorobenzene.
- 1,2,3-trichlorobenzene.
- 1,3,5-trichlorobenzene.
- 1,2,4,5-tetrachlorobenzene. *specify*
- Pentachlorobenzene. *specify*
- Hexachlorobenzene.
- Nitrochlorobenzene. *specify*
- Metachloronitrobenzene.

*Who from Weston
made this list*

TOM DREW

Other Toluene Benzene

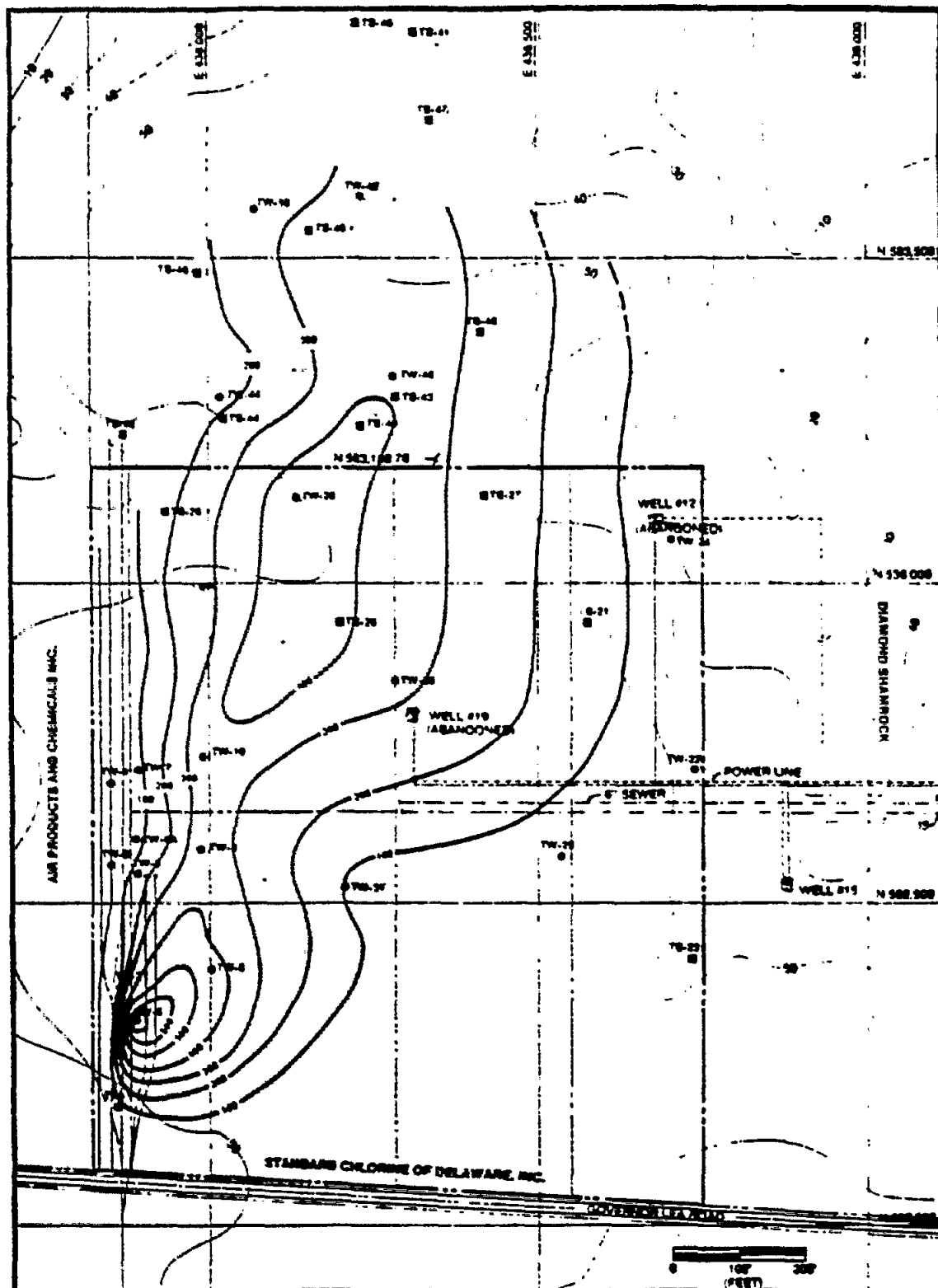


FIGURE 3 ISOCONCENTRATION MAP FOR TOTAL BENZENE SPECIES DETECTED (mg/l)